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| **Learning Planner** |
| **Subject** | *General science* | **Week** | *11* | **Duration** | *180 min* | **Form** |  *SHS 1* |
| **Strand** |  PROCESSES FOR LIVING | **Sub-Strand** | ESSENTIALS FOR SURVIVAL |
| **Content Standard** | Demonstrate knowledge and understanding of the principles of reproduction and their application in addressing sexually related societal problems |
| **Learning Outcome(s)** | Illustrate the principles of reproduction. |
| **Learning****Indicator(s)** | Explain the female menstrual cycle and show how that can be used to address reproduction related issues |
| **Essential Question(s)**  | How is the stracture of the female and male reproductive system?How is the processes of reproduction in humans from copulation to birth?What materials will be needed in demomstrating the process of reproduction in human. |
| **Pedagogical Strategies** | * Collaborative learning
* Demonstation
* Talk-for-learning approach
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| **Teaching & Learning Resources** | * Charts/pictures and models of the reproductive system male and female human.
* Videos of the reproductive system of mammals.
* Internet resources such as https://www.webmd.com/baby/healthtool-ovulation-calculator; https://www.unfpa.org/resources/adolescent-sexual-and-reproductive-health; https://www.youtube.com/watch?v=lBHRwkZPNac;
* Journals
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| **Key Notes on Differentiation** |
| 1. Learning Task:
* Draw the structure of male reproductive system and label at least five parts
* Describe the structure of female reproductive system and give at least one function of at least five parts
* Describe the processes of reproduction in humans from copulation to birth, etc.
1. Pedagogical Exemplars:
* Engage learners to observe models, videos, pictures, or charts of female and male reproductive systems. Encourage learners to document their observations
* Assign roles within the mixed-ability groups to help learners present their observations from the videos, pictures, and charts. Use open-ended questions through talk for learning to encourage all learners to participate actively
* Offer scaffolding or additional support for learners who may struggle with vocabulary or concepts
* Let learners describe the parts of the female and male reproductive systems, provide visual aids and diagrams to help learners visualize the parts, etc.
1. Key Assessments (DoK):
* Level 2: Draw and label the structure of the female reproductive system
* Level 2: Describe any 3 parts of the female reproductive system and their function

Level 2: Describe the structure of male reproductive system and its function, etc |
| **Keywords** | Glands, sperm, hormone, fertilization, embryo, accessory, etc |
| **Lesson 1****Male reproductive organ** |
| **Main Lesson drawing on Concepts, Skills and Competencies to reinforce as in the Subject Teacher Manual** |
| ***Teacher Activity***  | ***Learner Activity*** |
| **Starter *Activity (10 minutes)*** ***Teacher: Ask learners to receite the National pledge******Learners: receite the national pledge*** |
| ***Introductory Activity (15minutes)****I..Put learners in mixed gender and mixed ability groups.**II...Ask learners to brainstorm and noted down the explanation of reproduction in human.**III..Ask a member from each group present their findings****Activity 1 (30 minutes)****Display a chart of the male reproductive organ showing the various part and ask learners to note the parts****Activity 2 (40 minutes)*** *Ask learners to search the internet and find out the fuction of the parts of the male reproductive organ.**Activity 3 (40 minutes)**Ask learners from each group to present their finding on the function of the male reproductive part* | ***Introductory Activity***  *Learneers seated in the mixed groups**Brainstorm and note down the explanation of reproduction in human****Each group present their findings******Activity 1*** *Learners observe the chart and the parts of the male reproductive organ.****Activity 2*** ***Learners find out the fuction of the male reproductive organ from the internet.***Activity 3Present your findings on the functions of the parts of the male reproductive organ. |
| **Assessment DoK aligned to the Curriculum and Subject Teacher Manual** |
| ***Level 2***Draw and label the structure of the male reproductive organ |
| **Lesson Closure** ***In completing this part, refer to the Essential Questions to check that learning has taken place.*** |
| ***Activity (15 minutes)*** *Using Pass-that-question, ask learners to write any question on the lesson.**Ssummarize the lesson highlighting the salient points.* |
| **Reflection & Remarks** |
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| **Lesson 2****Female Reproductive organ** |
| **Main Lesson drawing on Concepts, Skills and Competencies to reinforce as in the Subject Teacher Manual** |
| ***Teacher Activity***  | ***Learner Activity*** |
| **Starter *Activity (10 minutes)*** ***Teacher ask learners to receite the poem;*** ***My head my shoulders******My knee my toes…******Learners receite the poem*** |
| ***Introductory activity (25 minutes)****I..Put learners in mixed gender and mixed ability groups.**II...Ask learners to brainstorm and noted down the explanation of reproduction in human.**III..Ask a member from each group present their findings* ***Activity 1 (25 minutes)*** *Display a chart of the female reproductive organ showing the various part and ask learners to note the parts****Activity 2 (25 minutes)****Ask learners to search the internet and find out the fuction of the parts of the female reproductive organ.****Activity 3 (25 minutes)****Ask learners from each group to present their finding on the function of the female reproductive part****Activity 4 (30minutes)****Show video of reproduction in human from* copulation to birth, | ***Introductory activity*** *Learneers seated in the mixed groups**Brainstorm and note down the explanation of reproduction in human****Each group present their findings******Activity 1*** *Learners observe the chart and the parts of the male reproductive organ.****Activity 2*** ***Learners find out the fuction of the female reproductive organ from the internet.******Activity 3***Present your findings on the functions of the parts of the female reproductive organ.Activity 4Watch video of the process of reproduction in human from copulation to birth. |
| **Assessment DoK aligned to the Curriculum and Subject Teacher Manual** |
| * Level 2: Draw and label the structure of the female reproductive organ
* Level 2: Describe any 3 parts of the female reproductive organ and their function
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| **Lesson Closure** ***In completing this part, refer to the Essential Questions to check that learning has taken place.***  |
| ***Activity (15 minutes)*** *Using Pass-that-question, ask learners to write any question on the lesson.**Ssummarize the lesson highlighting the salient points.* |
| **Reflection & Remarks** |
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